GOVERNMENT OF ANDHRA PRADESH

ABSTRACT

Water Resources Department – Indian Oil Corporation Ltd. (IOCL) – Laying petroleum Product pipeline with OFC (Optical fibre cable) from Paradip to Hyderabad which acrosses Tadipudi Lift Irrigation Scheme main canal, Polavaram Irrigation Project Right Main canal and Chintalapudi Lift Irrigation Scheme – Permission Accorded –Orders – Issued.

WATER RESOURCES (REFORMS) DEPARTMENT

G.O.RT.No. 180 Dated: 16-03-2018

Read the following:-

1. From the General Manager(c), Vizag, Indian Oil Corporation Ltd., Paradip - Hyderabad Pipeline Project Lr.No.PHPL/VJA/CONST/Irri/206.3/502, dated: 23.10.2017.
2. Govt. Memo.No. 823206/ Reforms/ A2/2017, WRD, dated: 27.10.2017.
3. From the Engineer-in-Chief, Polavaram Irrigation Project, Dowlaiswaram Lr.No.ENC/PIP/DCE/OT.1/AEE/30(Misc), dated: 08.01.2018.

O R D E R

In the reference 1st read above, the General Manager(c), Vizag, Indian Oil Corporation Ltd.,(IOCL), Paradip - Hyderabad Pipeline Project, Vijayawada has requested the Government to expedite the process of according permission for laying pipeline across the water bodies in the State of Andhra Pradesh. While forwarding the same to the concerned Engineers-in-Chief / Chief Engineers, they were directed to expedite necessary permissions as sought for by the Indian Oil Corporation Ltd.(IOCL) as per conditions stipulated in this regard and report compliance to the Government vide Govt. Memo.2nd read above.

2. In the reference 3rd read above, in response to the Govt Memo 2nd read above, the Engineer - in - Chief, Polavaram Irrigation Project, Dowlaiswaram has stated that the Superintending Engineer, Polavaram Irrigation Project Right Main Canal (PIPRMC) Circle, Eluru Lr. dt: 20.11.2017 has reported that the Indian Oil Corporation Limited (IOCL) has requested the consent from Water Resources Department to cater to the increased petroleum product requirements in the states of Odisha, Andhra Pradesh & Telangana and reported that the IOCL is laying underground petroleum product pipeline for transportation of Petrol, Diesel, Aviation Turbine Fuel (ATF) and Kerosene from the Paradip Refinery in Odisha State to Depots located at Berhampur, Visakhapatnam, Rajahmundry, Vijayawada and Hyderabad. This Proposed Pipeline will transport petroleum products in an utmost environment friendly, safe, cost and energy efficient manner.

3. He has further reported that the total length of pipeline is approx.1150Km and is traversing through six districts of Odisha (Approx.315Km), six districts of Andhra Pradesh (Approx.675Km) and two districts of Telangana (Approx 160 Km). The size of the proposed Pipeline is 16" OD X 0.438" wall thickness for HDD and 16" OD X 0.375" wall thickness concrete weight coated pipe for submerged crossings. An OFC duct will be kept along with proposed pipeline crossings. The laying of OFC cable adjacent to the pipeline is for operating Supervisory control and Data Acquisition (SCADA) for pipeline maintenance alone and not for commercialization. The OFC cable will be laid along with the Pipeline for usage with in the organization only.

4. The Proposed Pipeline along with OFC duct will be laid across the major lined canals by trenchless method i.e., by Horizontal Directional Drilling (HDD) method at a minimum depth of 3m below the canal bed level / below the scouring depth of river bed level without causing any damage to the water bodies. The pits for execution of HDD are made outside ROW of the water bodies. For ponds and medium Water bodies with

(PTO)

minimum flow registered in hydrological data, the pipes will be submerged at the bed level. For minor unlined canals / nala, the proposed pipelines will be laid by open cut method. After laying the pipeline, the surface of water bodies will be restored to the original shape. The pipeline design and constructions shall conform to international standard ANSI B 31.4.

5. Further, the Engineer-in-Chief, Polavaram Irrigation Project, Dowlaiswaram has reported that, the Superintending Engineer, PIPRMC Circle, Eluru has submitted that the IOCL authorities furnished the construction Methodology of Pipeline and drawings for according consent. The above proposals are forwarded to the Executive Engineers concerned for confirmation and verification of the proposals submitted by the IOCL authorities. The Executive Engineers were also directed to verify the proposals with field conditions for all crossings including the crossings where the works / structures are to be taken up. Now, The Executive Engineer have submitted the proposals duly verifying at site. It is observed that the pipe line is crossing at one one location on Polavaram Irrigation Project Right Main Canal, at (11) Locations on Tadipudi Lift Irrigation scheme canals and at (20) Locations on Chintalapudi Lift Irrigation Scheme Canals.

6. Further, the Superintending Engineer, PIPRMC circle, Eluru has requested to obtain necessary approval for the following crossings as per drawings enclosed from the competent authority for taking further necessary action to lay down with the following conditions to the user agency while carrying out their work:-

a) The locations of crossings

S.No	Project/Scheme	Name of the canal/Distributory	Name of the village	Name of the Mandal	Chainage of the Canal/Distributory	Crossing No.of IOCL	Chainage of pipe line of IOCL
1	Chintalapudi Lift Irrigation Scheme	Leading Channel	Tupakulagudem	Tallapudi	Km.1.750		Km. 770.050
2	Tadipudi Lift Irrigation	TLIS- D1	Tupakulagudem	Tallapudi	Km. 0.500		Km 770.550
3		TLIS- main canal	Tupakulagudem	Tallapudi		CS24	Km 771.028
4		TLIS- Filed Channel	Tupakulagudem	Tallapudi		CS27	Km 771.075
5		TLIS- Filed Channel	Annadevarapeta	Tallapudi		CS35	Km 772.362
6		TLIS- Filed Channel	Annadevarapeta	Tallapudi		CS37	Km 772.890
7		TLIS- main canal	Tupakulagudem	Tallapudi	Km. 02.000	CS24	Km 774.219
8		TLIS- D2	Annadevarapeta	Tallapudi		CS39	Km 774.219
9		TLIS- Filed Channel	Bhimolu	Gopalapuram		CS41	Km 774.933
10		TLIS- Filed Channel	Bhimolu	Gopalapuram		CS42	Km 775.070
11		TLIS- D6	Gopalapuram	Gopalapuram		CS44	Km 775.899
12		TLIS- Main canal	Gopalapuram	Gopalapuram	Km. 16.600	CS51	Km 778.176

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13	Polavaram Irrigation Project Right main Canal	PIPRMC	Gopalapuram	Gopalapuram	Km. 21.110	CS53	Km 778.275
14	Chintalapudi Lift Irrigation Scheme	Main Canal	Komatikunta	Gopalapuram	Km. 1.220	CS53	Km 782.190
15		Main Canal	Komatikunta	Gopalapuram	Km. 3.125	CS90	Km 783.190
16		Distributary-5	Kannayagudem	Koyyalagudem	Km. 2.890	CS116	Km 789.177
17		Distributary-7/2L-Minor	Yadavolu	Devarapalli	Km. 2.540	CS131	Km 792.722
18		Distributary-7	Kanakadripuram	Koyyalagudem	Km. 4.995	CS138	Km 794.469
19		Major-4	Manekenapalle	Kamavarapu Kota	Km. 0.152		Km 823.430
20		TEBC	Manekenapalle	Kamavarapu Kota	Km. 42.254		Km 825.625
21		TEBC	Krishnarao Palem	T. Narsapuram	Km. 40.300		Km 827.500
22		TEBC D11	Krishnarao Palem	T. Narsapuram	Km. 0.540		Km 827.860
23		TEBC D10	Krishnarao Palem	T. Narsapuram	Km. 1.564		Km 830.563
24		TEBC D9 8 LM	Krishnarao Palem	T. Narsapuram	Km. 0.423		Km 831.421
25		TEBC D9	Rajunagula Palem	Kamavarapu Kota	Km. 2.125		Km 831.524
26		TEBC D9 7 RM	Rajunagula Palem	Kamavarapu Kota	Km. 0.683		Km 832.006
27		TEBC D7	Rajunagula Palem	Kamavarapu Kota	Km. 2.229		Km 833.380
28		TEBC D6	Rajunagula Palem	Kamavarapu Kota	Km. 0.464		Km 836.508
29		TEBC D5	Rajunagula Palem	Kamavarapu Kota	Km. 0.541		Km 838.463
30		TEBC M3	Venkammapalem	Chintalapudi	Km. 0.200		Km 842.328
31		TEBC M2	Pragadavaram	Chintalapudi	Km. 2.711		Km 845.846
32		D1 OF TEBC M2	Pragadavaram	Chintalapudi	Km. 0.364		Km 845.846

(b) Conditions:

1)The permission is subject to the condition that the Design / Drawings formulated by the IOCL, for the subject works are to be approved by the

(PTO)

competent authority of this department. The work of every crossing shall be started / grounded after getting such approval.

2) The IOCL should take care that the pipeline should not cause any hindrance to the free flow of canal at any stage.

3) The IOCL has to pay the lease amount of Rs.2500/- (Rupees two thousand five hundred only) for each crossing on Tadipudi Lift Irrigation Scheme main canal, Polavaram Irrigation Project Right Main Canal and Chintalapudi Lift Irrigation Scheme crossings per year.

4) An approved copy of estimate of the subject works shall be submitted to the department before starting of the work.

5) Due to future improvement or repairs or for any other purpose of the department, if the pipe line causes hindrance and is to be removed or suitably modified/shifted or re-laid the IOCL shall carry out of that work at their own cost within the time frame stipulated by the department and the IOCL should not ask for any compensation on this account.

6) The IOCL shall take an insurance cover for indemnifying the Water Resources Department against any loss which may be caused to the canal works during the construction stage of petroleum pipe line crossing. The insurance cover shall be taken as directed by the Water Resources Department prior to the execution of the crossing works and shall be valid till one month after completion of the work.

7) Subsequently if any damage is caused to the canal during IOCL construction / Maintenance / inspection activities the cost of repair and damages shall be borne by the IOCL.

8) The IOCL shall be responsible for the preservation of the essential service of any other accident to the property personnel from injury or damage what so ever arising due to leakage, burst to the pipeline. The IOCL shall make good such damage or reimburse to the Water Resources Department for such loss due to damage in full as assessed by the Water Resources Department.

9) The IOCL shall ensure that all constructions / repairs / maintenance works of their petroleum pipe line are carried out with the prior approval of the Water Resources Department whose instructions shall be binding on the IOCL for carrying out such constructions / repairs / Maintenance etc,. The pipeline repairs /maintenance works will be allowed only during closure period of the canal. The pipeline shall be used for the purpose for which the permission has been granted.

10) During execution, maintenance and operation of the canal works, if required the Water Resources Department shall have the right to execute any work, movement of heavy machinery and dismantling any other structures in carrying out construction/maintenance activities over the petroleum pipeline. However, the Water Resources Department will intimate the IOCL about such activities well in advance. If any damage caused to the pipeline due to the above activity the Water Resources Department is not responsible and it is @ IOCL's own risks and costs.

11) The pipe line works may be carried out without giving scope to hindrance to the works being carried out by Water Resources Department at various locations of Tadipudi Lift Irrigation Scheme main canal, Polavaram Irrigation Project Right Main Canal and Chintalapudi Lift Irrigation Scheme.

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12) IOCL should take the responsibility to restore all the irrigation systems to their original standards at their own cost and responsibility while laying this petroleum pipe line.

13) The IOCL should carry out their work only in the presence of the designated engineer of the Water Resources Department and the agency's technical personnel and shall pay supervision charges @ 12.5% of the cost of the crossings including material and construction cost which shall be deposited well in advance by DD in favor of APAO/W&P/Kakinada under intimation to the Department.

14) An undertaking for the safety of the petroleum products pipeline and to ensure no leakages to avoid pollution of irrigation canal and drinking water which passes through the canals is to submit to the department before starting of the work.

15) IOCL should deposit an amount of Rs. 10 lakh (Rupees ten lakh only) as deposit with the departments in favor of APAO/W&D/Kakinada for each crossing for restoration of damages if any occurred to the property of the department during/ after laying of the pipeline. The amount of deposit is refundable after completion of the work to the satisfaction of irrigation authorities.

7. Under the circumstances explained above, the Engineer-in-Chief, Polavaram Irrigation Project, Dowlaiswaram has requested the Govt., to issue necessary orders of the Government for laying Petroleum Product Pipeline with OFC (Optical Fibre Cable) from Paradip to Hyderabad across Tadipudi Lift Irrigation Scheme main canal, Polavaram Irrigation Project Right Main Canal and Chintalapudi Lift Irrigation Scheme for crossings locations mentioned at para 6 (a) subject to the conditions mentioned at para 6 (b).

8. Government, after careful examination of the matter, hereby accord permission to the M/s Indian Oil Corporation Ltd. (IOCL) for laying the Petroleum Product Pipe line with OFC (Optical Fibre Cable) from Paradip to Hyderabad which acrosses Tadipudi Lift Irrigation Scheme main canal, Polavaram Irrigation Project Right Main Canal and Chintalapudi Lift Irrigation Scheme for crossings locations mentioned at para 6 (a) subject to the conditions mentioned at para 6 (b).

9. The Engineer-in-Chief (Irrigation), Water Resources Department, Andhra Pradesh, Vijayawada and the Collector & District Magistrate of West Godavari district shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SHASHI BHUSHAN KUMAR
SECRETARY TO GOVERNMENT

To
The Engineer-in-Chief (Irrigation), Water Resources Department,
Andhra Pradesh, Vijayawada.
The Collector & District Magistrate, West Godavari District.
The Engineer-in-Chief, Polavaram Irrigation Project, Dowlaiswaram.
The M/s Indian Oil Corporation Ltd. (IOCL), Paradip-Hyderabad Pipeline project
Limited, D.No.54-20-7/10, Plat.No.33, Kanakadurga Officers Colony,
Gurunanak Colony Road, Vijayawada.

Copy to:
The Private Secretary to Hon'ble Minister for Water Resources.
The Private Secretary to Secretary to Government, Water Resources Department.
The Superintending Engineer, PIPRMC Circle, Eluru.
SF/SC

//FORWARDED::BY ORDER//

SECTION OFFICER.